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**REMARKS/ARGUMENTS**

Claims 1, 11, 25, 27, 29-30, 32, and 44 are amended herein. Claim 24 was previously canceled from the Application without prejudice. Claim 28 is canceled herein from the Application without prejudice. Claims 17-22 and 48-52 were previously withdrawn from consideration with Applicant reserving the right to pursue these claims in separate divisional application(s). Claims 1-16, 23, 25-27, and 29-47 remain under consideration. Claims 1-23, 25-27, and 29-52 remain in the Application. No new matter has been introduced in any amendment of the claims. Applicant respectfully submits that the claims as amended are in condition for allowance, and allowance of all claims pending is respectfully requested.

In numerous instances, large blocks of text in the cited references were referred to by the Office Action in alleging that specific elements of the claims were disclosed in those references. Applicant respectfully requests that any future office action identify precisely which elements and which locations in the cited reference are believed to disclose the claimed elements of the Application.

**1. REJECTION OF CLAIMS 1, 7-16, 25-32, & 38-47 UNDER 35 U.S.C. § 102(b):**

In item 6 on page 3 of the Office Action, claims 1, 7-16, 25-32, and 38-47 of the Application were rejected under 35 U.S.C. § 102(b) as allegedly being anticipated by Onari et al. in U.S. Patent Number 6,132,391 entitled "Portable Position Detector and Position Management System" hereinafter *Onari*. Applicant respectfully traverses the rejection. However, claim 28 is canceled herein from the Application without prejudice.

**1.1 Regarding Rejection of Independent Claim 1 Under U.S.C. § 102(b):**

Among other items, *Onari* does not disclose "wherein the multiple sensors are integrated into a suit wearable by the individual" as is an element of claim 1 of the Application.

Referring to claims 11 and 42 the Office Action in item 12 on page 6 alleges that “*Onari* discloses and shows the apparatus, wherein the multiple sensors are integrated into a suit (as best seen in Figure 7) wearable by the individual”. However, Figure 7 of *Onari* “shows a perspective view of the portable position detector 41” (see col. 14, lines 37-38 of *Onari*). Neither in Figure 7 nor anywhere else in *Onari* are multiple sensors that “are integrated into a suit wearable by the individual” shown or disclosed.

Thus, all the elements of claim 1 of the Application are not disclosed in *Onari* nor would their inclusion as in this claim have been obvious to one of ordinary skill in the art at the time of the invention. As such, claim 1 of the Application is allowable over *Onari*.

### **1.2 Regarding Rejection of Independent Claim 25 Under U.S.C. § 102(b):**

Among other items, *Onari* does not disclose “a map of an environment, which the individual is in, derivable from the anthropometric dead reckoning of the individual” as is an element of claim 25 of the Application.

In rejecting claim 25 among others, the Office Action in item 7 on page 4 alleges that *Onari* discloses that element and alleges that (1) it is best seen in Figures 5A-5B and (2) is disclosed in col. 13 lines 12-40. However, Figures 5A and 5B are described as being “diagrams used to explain the example of a moving route” (see col. 7 lines 61-62 of *Onari*). In particular, Figure 5A of *Onari* shows “map information corresponding to the current position of a person, road attribute information at that position (e.g., information about a national road, a prefectural road, etc.), and surrounding information at that position (e.g., main buildings, stations, etc.)” which “are read from the memory card 22 and are displayed on the display 17” and which “enables a moving person to easily know which position on a map the person is at” (see col. 13 lines 15-22 of *Onari*). The above element wherein the map is “derivable from the anthropometric dead reckoning of the individual” is not shown in Figures 5A and 5B nor is it disclosed in col. 13 lines 12-40 or anywhere else in *Onari*.

Thus, all the elements of claim 25 of the Application are not disclosed in *Onari* nor would their inclusion as in this claim have been obvious to one of ordinary skill in the

art at the time of the invention. As such, claim 25 of the Application is allowable over *Onari*.

### **1.3 Regarding Rejection of Independent Claim 27 Under U.S.C. § 102(b):**

Among other items, *Onari* does not disclose “wherein the data is fed back to at least one of the sensors on the individual” as is an element of claim 27 of the Application.

In rejecting claim 28 the Office Action in item 19 on page 8 alleges that *Onari* discloses and shows this element, which is now an element of claim 27, and alleges that it is disclosed (1) in col. 15 line 1 through col. 17 line 15 and (2) in col. 21 line 41 through col. 22 line 12. However, nowhere in these lines or elsewhere in *Onari* is the element feeding the data “back to at least one of the sensors on the individual” disclosed.

Thus, all the elements of claim 27 of the Application are not disclosed in *Onari* nor would their inclusion as in this claim have been obvious to one of ordinary skill in the art at the time of the invention. As such, claim 27 of the Application is allowable over *Onari*.

### **1.4 Regarding Rejection of Independent Claim 29 Under U.S.C. § 102(b):**

Among other items, *Onari* does not disclose “wherein the multiple sensors comprise a barometric altitude sensor that measures atmospheric pressure for altitude position changes” as is an element of claim 29 of the Application.

In rejecting claim 30 among others, the Office Action in item 20 on page 8 seems to imply that this element which is now an element of claim 29 is disclosed in *Onari* but fails to specifically address this element. Regardless, nowhere in *Onari* is a “barometric altitude sensor” disclosed.

Thus, all the elements of claim 29 of the Application are not disclosed in *Onari* nor would their inclusion as in this claim have been obvious to one of ordinary skill in the art at the time of the invention. As such, claim 29 of the Application is allowable over *Onari*.

**1.5 Regarding Rejection of Independent Claim 32 Under U.S.C. § 102(b):**

Among other items, *Onari* does not disclose “a barometric altitude sensor that provides altitude information to at least one of the one or more processing components” as is an element of claim 32 of the Application.

In rejecting claim 44 the Office Action in item 14 on page 7 alleges that *Onari* discloses and shows this element, which is now an element of claim 32, and alleges that it is disclosed (1) in col. 9 lines 44-54, (2) col. 14 lines 64-65, and (3) col. 21 line 41 through col. 22 line 12. However, nowhere in these lines or elsewhere in *Onari* is a “barometric altitude sensor” disclosed.

Thus, all the elements of claim 32 of the Application are not disclosed in *Onari* nor would their inclusion as in this claim have been obvious to one of ordinary skill in the art at the time of the invention. As such, claim 32 of the Application is allowable over *Onari*.

**1.6 Regarding Rejection of Dependent Claims 7-16 Under U.S.C. § 102(b):**

With respect to the rejection of claims 7-16 of the Application under 35 U.S.C. § 102(b), it is noted that these claims depend from independent claim 1 and that, as such, these claims have all the features described above for claim 1 as elements. As demonstrated above, claim 1 of the Application is allowable over *Onari*. As such, dependent claims 7-16 of the Application are allowable over *Onari* for the same reasons as independent claim 1, as well as for their own additional features.

**1.7 Regarding Rejection of Dependent Claims 26 Under U.S.C. § 102(b):**

With respect to the rejection of claim 26 of the Application under 35 U.S.C. § 102(b), it is noted that this claim depends from independent claim 25 and that, as such, claim 26 has all the features described above for claim 25 as elements. As demonstrated above, claim 25 of the Application is allowable over *Onari*. As such, dependent claim 26 of the Application is allowable over *Onari* for the same reasons as independent claim 25, as well as for its own additional features.

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These other features include, among other items, the fact that *Onari* does not disclose “wherein the map of the environment, which the individual is in, is one of a map of an area previously unmapped, is a corrected map of an incorrectly mapped area, and an updated map of an outdated map of an area” which is an element of claim 26 of the Application. In item 18 on page 8, the Office Action alleges that “*Onari* discloses and shows this element. Reference is made in the Office Action (1) to col. 15 line 1 through col. 17 line 15, (2) to col. 21 line 41 through col. 22 line 12, and (3) as being best seen in Figures 5A-5B. However, nowhere in these lines is a map mentioned nor of “a map of an area previously unmapped”, “a corrected map of an incorrectly mapped area” or “an updated map of an outdated map of an area”. Also, Figures 5A and 5B are described as being “diagrams used to explain the example of a moving route” (see col. 7 lines 61-62 of *Onari*). In particular, Figure 5A of *Onari* shows “map information corresponding to the current position of a person, road attribute information at that position (e.g., information about a national road, a prefectural road, etc.), and surrounding information at that position (e.g., main buildings, stations, etc.)” which “are read from the memory card 22 and are displayed on the display 17” and which “enables a moving person to easily know which position on a map the person is at” (see col. 13 lines 15-22 of *Onari*). The above element is not shown in Figures 5A and 5B nor elsewhere in *Onari*.

Thus, all the elements of claim 26 of the Application are not disclosed in *Onari* nor would their inclusion as in this claim have been obvious to one of ordinary skill in the art at the time of the invention. As such, claim 26 of the Application is allowable over *Onari*.

#### **1.8 Regarding Rejection of Dependent Claims 30-31 Under U.S.C. § 102(b):**

With respect to the rejection of claims 30-31 of the Application under 35 U.S.C. § 102(b), it is noted that these claims depend from independent claim 29 and that, as such, claims 30-31 have all the features described above for claim 29 as elements. As demonstrated above, claim 29 of the Application is allowable over *Onari*. As such,

dependent claims 30-31 of the Application are allowable over *Onari* for the same reasons as independent claim 29, as well as for their own additional features.

**1.9 Regarding Rejection of Claims 38-43 & 45-47 Under U.S.C. § 102(b):**

With respect to the rejection of claims 38-43 and 45-47 of the Application under 35 U.S.C. § 102(b), it is noted that these claims depend from independent claim 32 and that, as such, they have all the features described above for claim 32 as elements. As demonstrated above, claim 32 of the Application is allowable over *Onari*. As such, dependent claims 38-43 and 45-47 of the Application are allowable over *Onari* for the same reasons as independent claim 32, as well as for their own additional features.

**1.10 Regarding Rejection of Claims 44 Under U.S.C. § 102(b):**

With respect to the rejection of claim 44 of the Application under 35 U.S.C. § 102(b), it is noted that this claim depends from independent claim 32 and that, as such, this claim has all the features described above for claim 32 as elements. As demonstrated above, claim 32 of the Application is allowable over *Onari*. As such, dependent claim 44 of the Application is allowable over *Onari* for the same reasons as independent claim 32, as well as for its own additional features.

These other features include, among other items, the fact that *Onari* does not disclose “wherein the altitude information of the barometric altitude sensor supplements the positional change determined by the one or more processing components and wherein the barometric altitude sensor measures an atmospheric pressure to make a determination of an altitude change of the positional change of the individual” which is an element of claim 44 of the Application.

In rejecting claim 44 the Office Action in item 14 on page 7 alleges that *Onari* discloses and shows this element and alleges that it is disclosed (1) col. 15 line 1 through col. 17 line 15, (2) col. 21 line 41 through col. 22 line 12, (3) col. 15 line 1 through col. 17 line 15, and (4) col. 21 line 41 through col. 22 line 12. However, nowhere in these lines or elsewhere in *Onari* is a “barometric altitude sensor” disclosed.

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Thus, all the elements of claim 44 of the Application are not disclosed in *Onari* nor would their inclusion as in this claim have been obvious to one of ordinary skill in the art at the time of the invention. As such, claim 44 of the Application is allowable over *Onari*.

Therefore, withdrawal of the above indicated § 102 rejection is respectfully requested.

**2. REJECTION OF CLAIMS 2-6, 23, & 33-37 UNDER 35 U.S.C. § 103(a):**

In item 23 on page 9 of the Office Action, claims 2-6, 23, and 33-37 of the Application were rejected under 35 U.S.C. § 103(a) as allegedly being unpatentable over *Onari* in view of *Kramer* in U.S. Patent Number 5,592,401 entitled "Accurate, Rapid, Reliable Position Sensing Using Multiple Sensing Technologies" hereinafter *Kramer*. Applicant respectfully traverses the rejection.

**2.1 Regarding Rejection of Claims 2-6 & 23 Under 35 U.S.C. § 103(a):**

With respect to the rejection of claims 2-6 and 23 of the Application under 35 U.S.C. § 103(a), it is noted that these claims depend from independent claim 1 and that, as such, they have all the features described above for claim 1 as elements. As demonstrated above, claim 1 of the Application is allowable over *Onari*. As such, dependent claims 2-6 and 23 of the Application are patentable over *Onari* in view of *Kramer* for the same reasons as independent claim 1, as well as for their own additional features.

**2.2 Regarding Rejection of Claims 33-37 Under 35 U.S.C. § 103(a):**

With respect to the rejection of claims 33-37 of the Application under 35 U.S.C. § 103(a), it is noted that these claims depend from independent claim 32 and that, as such, they have all the features described above for claim 32 as elements. As demonstrated above, claim 32 of the Application is allowable over *Onari*. As such, dependent claims

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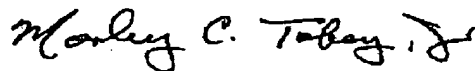
33-37 of the Application are patentable over *Onari* in view of *Kramer* for the same reasons as independent claim 32, as well as for their own additional features.

Therefore, withdrawal of the above indicated § 103 rejection is respectfully requested.

### 3. IN CONCLUSION:

No new matter has been introduced herein. The Applicant respectfully submits that the claims as amended are in condition for allowance, and allowance of all claims pending is respectfully requested. If a telephone conference would be of assistance in advancing the prosecution of this application, the Examiner is invited to contact Applicant's attorney at 312-346-2800.

Respectfully submitted,



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